Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/17/2020 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124796	-1	2.00	124906	1.99
Blue	F	SSC	125000	124298	-1	1.66	125133	1.66
Blue	E	FITC	15892	15386	-4	3.03	334	20.34
Blue	D	PE	29999	29322	-3	2.29	639	14.76
Blue	B	PerCP-Cy5-5	43732	43812	0	3.89	1176	21.10
Blue	A	PE-Cy7	30845	31015	0	6.42	592	42.62
Red	C	APC	46112	45678	-1	2.40	1612	11.80
Red	A	APC-Cy7	30458	29791	-3	2.30	791	11.91
Violet	B	V450	7918	7519	-6	5.48	419	14.10
Violet	A	V500	32171	31480	-3	5.23	730	11.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17383	10.23	621	0	N/A	N/A	Pass
Blue	F	SSC	56648	1.41	561	2	N/A	N/A	Pass
Blue	E	FITC	60	65.09	542	-1	0.0195	126	Pass
Blue	D	PE	131	49.98	548	0	0.1607	256	Pass
Blue	B	PerCP-Cy5-5	214	51.12	659	3	0.0084	35	Pass
Blue	A	PE-Cy7	109	104.18	702	4	0.0099	11	Pass
Red	C	APC	383	25.02	586	2	0.0264	201	Pass
Red	A	APC-Cy7	175	28.43	557	1	0.0056	898	Pass
Violet	B	V450	64	60.65	463	5	0.0429	1674	Pass
Violet	A	V500	109	35.74	480	6	0.0219	918	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-31.64	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	15.79	13.60 - 20.40	N/A	N/A	29.13	29.68	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11230

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments